

## Curriculum Vitae

<b>Degree</b>	Dr./PhD./Assistant Professor	
<b>Surname</b>	Naber	
<b>Givenname</b>	Marnix	
<b>Birth</b>	1984	
<b>Birth place</b>	The Netherlands	
<b>Address</b>	Hilversum, The Netherlands	
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## Education

<b>2008-2012</b>	Neurophysics, Faculty of Physics, Philipps-University Marburg, Germany Graduate student (Dr, PhD) under the supervision of Wolfgang Einhäuser
<b>2006-2007</b>	Applied Cognitive Psychology, Utrecht University, The Netherlands Masters (M.Sc.) under the supervision of Frans Verstraten
<b>2003-2006</b>	Applied Cognitive Psychology, Utrecht University, The Netherlands Undergraduate (Bachelors, B.Sc.)
<b>1997-2003</b>	City Dalton College, Zutphen, The Netherlands Nature & Technology (High School)

## Current Positions

<b>2018-Now</b>	Neurolytics B.V., Utrecht, The Netherlands Function: Consultant
<b>2015-Now</b>	Experimental Psychology, Utrecht University, The Netherlands Function: Assistant Professor

## Previous Positions

<b>2013-2015</b>	Experimental Psychology, Leiden University, The Netherlands - Assistant Professor
<b>2012-2013</b>	Vision Sciences Laboratory, Harvard University, USA - Post-doc
<b>2008-2012</b>	inQUIRE / SMS-Coach, The Netherlands - Website Application Developer
<b>2007-2008</b>	Efocus-group / Medicore, The Netherlands - Functional Designer
<b>2007</b>	Vision Sciences Laboratory, Harvard University, USA - Internship

## Scholarships/Grants/Awards

<b>2018</b>	Neuroscience and Cognition Grant – Granted by Utrecht University (EUR7000)
<b>2017</b>	Uitzicht Grant (EUR300000) - Granted by Rotterdamse Stichting Blindenbelangen, Janivo Stichting, ODAS stichting, and Dr. F.P. Fischer-Stichting
<b>2015</b>	Neuroscience and Cognition Grant – Granted by Utrecht University (EUR12000)
<b>2013</b>	Conference Book Cover Design Award – Granted by Vision Sciences Society (USD250)
<b>2012</b>	Poster competition winner, neuroscience category – Awarded by the Association for the Scientific Study of Consciousness (ASSC)
<b>2012</b>	PhD Summa Cum Laude Grade (with distinction; only the top 5% students receive this) – Awarded by Philipps-University Marburg
<b>2011</b>	Rubicon Grant – Granted by NWO Dutch Organization for Scientific Studies (EUR54561)
<b>2011</b>	Travel Award – Granted by Australian Neuroscience Society (AUD244)
<b>2007</b>	Travel award – Granted by NWO-pioneer program (EUR1500)
<b>2007</b>	MSc. Cum Laude Grade (with honours; only the top 10% students receive this) - Awarded by Utrecht University

## Teaching & Supervision

<b>2015-now</b>	Coordinator and lecturer of several BSc. and MSc. courses at Utrecht University Courses: cognitive neuroscience, fundamentals in neuroscience, psychophysics in Matlab/Python, EEG analyses in MatLab, fMRI analyses in MatLab, psychology as a science, introduction to cognitive sciences.
	Direct supervisor of >10 Master Theses, >30 Bachelor Theses, >10 Internships Many of these projects resulted in publications.
<b>2013-2015</b>	Coordinator and lecturer of several BSc. and MSc. courses at Leiden University and Leiden University College Courses: emotion & cognition, cognitive psychology

## Organization of Scientific Meetings

<b>2017-now</b>	Organizer of the Biannual Helmholtz Retreat in Schoorl, The Netherlands
<b>2008</b>	Voluntary Staff at European Conference on Visual Perception (ECVP)

## Institutional Responsibilities

<b>2018</b>	PhD committee member of Yang Wang – Vrije Universiteit Medical Center, Netherlands
<b>2017-now</b>	Organizer of internal seminars – perception meetings Utrecht University, Netherlands
<b>2017-now</b>	Organizer of intervision meetings for assistant professors – Utrecht University
<b>2014</b>	PhD committee member – University of Cape Town, South Africa

## Reviewing Activities

<b>2018</b>	Frontiers in Neurology, Behavior Research Methods, Biological Psychology, Physiology & Behavior, Scientific Reports
<b>2017</b>	Vision Research, PLoS ONE, Perception, NeuroImage, Journal of Cognition, Journal of Neurology and Experimental Neuroscience, Journal of Experimental Psychology, Computer Methods and Programs in Biomedicine, Cognition, Attention Perception & Psychophysics
<b>2016</b>	Scientific Reports, PNAS, PLoS ONE, Perception, Memory and Cognition, Journal of Neurology and Experimental Neuroscience
<b>2015</b>	Vision Research, Physiology and behaviour, iPerception, Attention Perception & Psychophysics

## Scientific Memberships

<b>2009-Now</b>	Member of Vision Sciences Society
<b>2007-Now</b>	Member of European Conference on Vision and Perception
<b>2015-Now</b>	Member of Helmholtz Institute, The Netherlands
<b>2013-2015</b>	Member of Leiden Institute of Brain Sciences (LIBC), The Netherlands

## Collaborators

<b>Prof. Serge Dumoulin</b>	Local, Experimental Psychology, Utrecht University
<b>Prof. Stefan vd Stigchel</b>	Local, Experimental Psychology, Utrecht University
<b>Dr. Tanja Nijboer</b>	Local, Experimental Psychology, Utrecht University
<b>Dr. Ben Harvey</b>	Local, Experimental Psychology, Utrecht University
<b>Dr. Nathan van der Stoep</b>	Local, Experimental Psychology, Utrecht University
<b>Dr. Joris Elshout</b>	Local, Experimental Psychology, Utrecht University
<b>Dr. Giorgio Porro</b>	National, Ophthalmology University Medical Center Utrecht
<b>Dr. Douwe Bergsma</b>	National, Cognitive Neuroscience, Medical Center Nijmegen
<b>Prof. George A. Alvarez</b>	International, Vision Sciences Lab, Harvard University, USA
<b>Dr. Julian Tillmann</b>	International, Department of Psychology, King's College London, UK
<b>Dr. Jan Brascamp</b>	International, Department of Psychology, Michigan State University, USA
<b>Dr. Peter Murphy</b>	International, Department of Neurophysiology and pathophysiology, University Medical Center Hamburg, Germany

## Skills

<b>Software</b>	MatLab/PHP/HTML/CSS/Javascript/MySQL/Python, Statistics, Microsoft software (office), Adobe software (design)
<b>High School</b>	Physics, Mathematics, Chemistry, Biology, Sociology, General Nature Sciences, Dutch, English, German, French, Latin, Greek
<b>Languages</b>	Dutch (Native), English (fluent), German (good)
<b>Interests</b>	Soccer, squash (racket-ball), skiing, hiking, producing digital music

## Journal Publications

<b>In preparation</b>	Naber, M., Murphy, P. (In prep.). The pupil unfolds a two-stage action scheme in a speed accuracy trade-off task
	Naber, M., de Kloe, Y., Stuit, S., van der Stigchel, S., & Paffen, C. (In prep.). Adaptation effects of stimulus features on mixed perception in binocular rivalry.
	Van der Stoep, N., van der Smagt, M., & Naber, M. (In prep.). Pupil responses to multisensory stimuli.
	Van Helden, J., & Naber, M. (In prep.). Early and late event-related potentials in the visual cortex explain pupil constrictions to visual scenes and illusions.
<b>Published</b>	Van der Kooij, K., & Naber, M. (In press). An open-source remote heart rate imaging method with practical apparatus and algorithms. <i>Behavior Research Methods</i>
	Naber, M., et al. (2018). Gaze-contingent flicker pupil perimetry detects scotomas in patients with cerebral visual impairments or glaucoma. <i>Frontiers in Neurology</i>
	Reuten, A., van Dam, M., & Naber, M. (2018). Pupillary responses to robotic and human emotions: the uncanny valley and media equation confirmed. <i>Frontiers in Psychology</i> , 9, 774.
	Derksen, M., van Alphen, Schaap, S., Mathot, S., & Naber, M. (2018). Pupil mimicry is the result of brightness perception of the iris and pupil. <i>Journal of Cognition</i>
	Ding, Y., Naber, M., Gayet, S., van der Stigchel, S., & Paffen, C. (2018). Assessing the generalizability of eye dominance across binocular rivalry, onset rivalry, and continuous flash suppression. <i>Journal of Vision</i>
	Brascamp, J.W., Naber, M. (2017). Eye tracking under dichoptic viewing conditions: a practical solution. <i>Behavior Research Methods</i> , 49(4), 1303-1309
	Lippelt, D.P., van der Krint, S., van Herk, K., Naber, M. (2016). No acute effects of choline bitartrate food supplements on memory in healthy, young, human adults. <i>PLoS ONE</i> , 11(6), e0157714
	Naber, M., Vedder, A., Brown, S., Nieuwenhuis, S. (2016). Speed and lateral inhibition of stimulus processing contribute to individual differences in Stroop-task performance. <i>Frontiers in Psychology</i> , 7, 822
	Naber, M., Brascamp, J. (2015). Commentary: Is the frontal lobe involved in conscious perception? <i>Frontiers in Psychology</i> , 6, e01736
	Naber, M., Hommel, B., Colzato, L.S. (2015). Improved action coordination and pupil constriction after choline supplementation in healthy humans. <i>Scientific Reports</i> , 5, e13188
	Naber, M., Bergman, A., Eijgermans, W., Herman, A., Hommel, B. (2015). Similarity of actions depends on the functionality of previously observed actions. <i>Journal of Experimental Psychology: HPP</i>
	Frässle, S., Sommer, J., Hansen, A., Naber, M., Einhäuser, W. (2014). Binocular Rivalry: Frontal activity relates to introspection and action, but not to perception. <i>Journal of Neuroscience</i> , 34(5), 1738-1747
	Damm, O., Malchus, K., Jaecks, P., Krach, S., Paulus, F., Naber, M., et al. (2013). Different gaze behavior in human-robot interaction in Asperger's syndrome: An eye-tracking study. <i>International Symposium on Robot and Human Interactive Communication</i>
Naber, M., Alvarez, G.A., Nakayama, K. (2013). Tracking the allocation of attention using human pupillary oscillations. <i>Frontiers in Psychology</i> , 4(919), 1664-1078	

	<b>Naber, M.</b> , Vaziri Pashkam, M., Nakayama, K. (2013). Unintended imitation affects success in a competitive game. <i>PNAS</i> , <i>110</i> (50), 20046-20050
	<b>Naber, M.</b> , Stoll, J., Einhäuser, W., Carter, O. (2013). How to become a mentalist: Reading decisions from a competitor's pupil can be achieved without training, but requires instruction. <i>PLoS ONE</i> , <i>8</i> (8), e73302
	<b>Naber, M.</b> , Nakayama, K. (2013). Pupil responses to high-level image content. <i>Journal of Vision</i> , <i>13</i> (6), pii 7
	<b>Naber, M.</b> , Frässle, S., Rutishauser, U., Einhäuser, W. (2013). Pupil size signals novelty and predicts later retrieval success for declarative memories of natural scenes. <i>Journal of Vision</i> , <i>13</i> (2), pii 11
	<b>Naber, M.</b> , Hilger, M., Einhäuser, W. (2012). Animal detection and identification in natural scenes: Image statistics and emotional valence. <i>Journal of Vision</i> , <i>12</i> (1), pii 25
	<b>Naber, M.</b> , Frässle, S., Einhäuser, W. (2011). Perceptual Rivalry: Reflexes reveal the gradual nature of visual awareness. <i>PLoS ONE</i> , <i>6</i> (6), e20910
	<b>Naber, M.</b> , Carlson, T.A., Verstraten, F.A.J., Einhäuser, W. (2011). Perceptual benefits of objecthood. <i>Journal of Vision</i> , <i>11</i> (4), pii 8
	<b>Naber, M.</b> , Gruenhage, G., Einhäuser, W. (2010). Tri-stable stimuli reveal interactions among subsequent percepts: Rivalry is biased by perceptual history. <i>Vision Research</i> , <i>50</i> (8), 818-828
	<b>Naber, M.</b> , Carter, O., Verstraten, F.A.J. (2009). Suppression wave dynamics reveal visual field anisotropies and sensitivity to inducer strength. <i>Vision Research</i> , <i>49</i> (14), 1805-1813
	Paffen, C.L., <b>Naber, M.</b> , Verstraten, F.A.J. (2008). The spatial origin of a perceptual transition in binocular rivalry. <i>PLoS ONE</i> , <i>3</i> (6), e2311

### Referees

<b>Prof. Ken Nakayama</b>	Post-doc Supervisor, Harvard University, Faculty of Arts, Vision Sciences Lab <a href="mailto:ken@wjh.harvard.edu">ken@wjh.harvard.edu</a> , +1 617 495 3843
<b>Prof. Wolfgang Einhäuser</b>	PhD Supervisor, Philipps-University Marburg, Faculty of Physics, Neurophysics <a href="mailto:wet@physik.uni-marburg.de">wet@physik.uni-marburg.de</a> , +49 6421 28 24164
<b>Prof. Olivia Carter</b>	Collaborator, University of Melbourne, Department of Psychology, School of Behavioral Sciences <a href="mailto:ocarter@unimelb.edu.au">ocarter@unimelb.edu.au</a> , +61 (0)3 83446372
<b>Prof. Thomas A. Carlson</b>	Internship Supervisor, Macquarie University, Department of Cognitive Science <a href="mailto:thomas.carlson@mq.edu.au">thomas.carlson@mq.edu.au</a>
<b>Prof. Frans A.J. Verstraten</b>	Masters Supervisor, University of Sydney, School of Psychology <a href="mailto:frans.verstraten@sydney.edu.au">frans.verstraten@sydney.edu.au</a> , +61 293512865